

CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: Livermore PWS ID: 0110011
System Type: Potable Audit Period: Select
Utility Representation: Dave Lennier (Public Works), Todd Yamello (Engineering)
Validation Date: 5/25/2017 Call Time: 1:00pm Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 70 Data Validity Band (Level): Band III (51-70)
ILI: 1.99 Real Loss: 31.93 (gal/conn/day) Apparent Loss: 7.79 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 8.1

Validator Provided

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Steve Cavanaugh / Jeff Cappadona (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP



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Water System Name: City of Livermore Water

Water System ID Number: CA0110011

Water Audit Period: Calendar 2016

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

We updated our procedures for tracking unbilled/unmetered consumption. We also implemented a meter replacement program for our large water meters that were outside of their calculated specification.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Utility Provided

Helen Ling
Executive Name (Print)

Water Resources Division Manager
Executive Position

[Signature]
Signature

9/21/17
Date